

WHAT IS CLAIMED IS:

1 1. A method of detecting an angiogenesis-associated transcript in a cell in
2 a patient, the method comprising contacting a biological sample from the patient with a
3 polynucleotide that selectively hybridized to a sequence at least 80% identical to a sequence
4 as shown in Table 1.

1 2. The method of claim 1, wherein the biological sample is a tissue
2 sample.

1 3. The method of claim 1, wherein the biological sample comprises
2 isolated nucleic acids.

1 4. The method of claim 3, wherein the nucleic acids are mRNA.

1 5. The method of claim 3, further comprising the step of amplifying
2 nucleic acids before the step of contacting the biological sample with the polynucleotide.

1 6. The method of claim 1, wherein the polynucleotide comprises a
2 sequence as shown in Table 1.

1 7. The method of claim 1, wherein the polynucleotide is labeled.

1 8. The method of claim 7, wherein the label is a fluorescent label.

1 9. The method of claim 1, wherein the polynucleotide is immobilized on
2 a solid surface.

1 10. The method of claim 1, wherein the patient is undergoing a therapeutic
2 regimen to treat a disease associated with angiogenesis.

1 11. The method of claim 1, wherein the patient is suspected of having
2 cancer.

1 12. An isolated nucleic acid molecule consisting of a polynucleotide
2 sequence as shown in Table 1.

1 13. The nucleic acid molecule of claim 12, which is labeled.

1 14. The nucleic acid of claim 13, wherein the label is a fluorescent label

- 1 15. An expression vector comprising the nucleic acid of claim 12.
- 1 16. A host cell comprising the expression vector of claim 15.
- 1 17. An isolated nucleic acid molecule which encodes a polypeptide having
2 an amino acid sequence as shown in Table 2.
- 1 18. An isolated polypeptide which is encoded by a nucleic acid molecule
2 having polynucleotide sequence as shown in Table 1.
- 1 19. An isolated polypeptide having an amino acid sequence as shown in
2 Table 2.
- 1 20. An antibody that specifically binds a polypeptide of claim 19.
- 1 21. The antibody of claim 20, further conjugated to an effector component.
- 1 22. The antibody of claim 21, wherein the effector component is a
2 fluorescent label.
- 1 23. The antibody of claim 21, wherein the effector component is a
2 radioisotope.
- 1 24. The antibody of claim 21, which is an antibody fragment.
- 1 25. The antibody of claim 21, which is a humanized antibody
- 1 26. A method of detecting a cell undergoing angiogenesis in a biological
2 sample from a patient, the method comprising contacting the biological sample with an
3 antibody of claim 20.
- 1 27. The method of claim 26, wherein the antibody is further conjugated to
2 an effector component.
- 1 28. The method of claim 27, wherein the effector component is a
2 fluorescent label.

1 29. The method of detecting antibodies specific to angiogenesis in a
2 patient, the method comprising contacting a biological sample from the patient with a
3 polypeptide comprising a sequence as shown in Table 2.

10031630-130501